

## KOREAN PATENT ABSTRACTS (KR)

**Document Code:**A

**(11) Publication No.**1019980010983 **(43) Publication Date.** 19980430

**(21) Application No.**1019960026757 **(22) Application Date.** 19960702

**(51) IPC Code:**

G09G 3/28

**(71) Applicant:**

I.G ELECTRONICS INC.

**(72) Inventor:**

SUNG HAK MOON

**(54) Title of Invention**

**SYSTEM PROTECTION CIRCUIT FOR PLASMA DISPLAY DEVICE**

**(57) Abstract**

The present invention relates to a system protection circuit for a plasma display device comprising of a temperature detector checking the temperature of the plasma display panel, a temperature comparator outputting a specified signal when the detected temperature at the temperature detector is over a standard temperature, and a level decreasing means lowering the level of the sustain pulse supplied to the plasma display panel within the range in which the gray scale level is not changed when the specified signal is received. When a current over the standard value is flown into the system as the brightness is over than 40~50% of full value, this system protection circuit is lowering the sustain pulse within the range in which the gray scale is not changed. As a result, the system protection circuit prevents the system from being overheated, elongates the life-time of the system and ensures the operating quality. As well as, the deterioration of the picture quality is prevented because the gray scale level is maintained in original level.

**BEST AVAILABLE COPY**